

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C12N 15/00, 15/12, C07K 14/00, 14/435		A1	(11) International Publication Number: WO 99/58660																																							
			(43) International Publication Date: 18 November 1999 (18.11.99)																																							
(21) International Application Number: PCT/US99/09847 (22) International Filing Date: 6 May 1999 (06.05.99) (30) Priority Data: <table border="0"> <tr><td>60/085,093</td><td>12 May 1998 (12.05.98)</td><td>US</td></tr> <tr><td>60/085,094</td><td>12 May 1998 (12.05.98)</td><td>US</td></tr> <tr><td>60/085,105</td><td>12 May 1998 (12.05.98)</td><td>US</td></tr> <tr><td>60/085,180</td><td>12 May 1998 (12.05.98)</td><td>US</td></tr> <tr><td>60/085,927</td><td>18 May 1998 (18.05.98)</td><td>US</td></tr> <tr><td>60/085,906</td><td>18 May 1998 (18.05.98)</td><td>US</td></tr> <tr><td>60/085,924</td><td>18 May 1998 (18.05.98)</td><td>US</td></tr> <tr><td>60/085,922</td><td>18 May 1998 (18.05.98)</td><td>US</td></tr> <tr><td>60/085,923</td><td>18 May 1998 (18.05.98)</td><td>US</td></tr> <tr><td>60/085,921</td><td>18 May 1998 (18.05.98)</td><td>US</td></tr> <tr><td>60/085,925</td><td>18 May 1998 (18.05.98)</td><td>US</td></tr> <tr><td>60/085,928</td><td>18 May 1998 (18.05.98)</td><td>US</td></tr> <tr><td>60/085,920</td><td>18 May 1998 (18.05.98)</td><td>US</td></tr> </table> (71) Applicant (for all designated States except US): HUMAN GENOME SCIENCES, INC. [US/US]; 9410 Key West Avenue, Rockville, MD 20850 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): RUBEN, Steven, M. [US/US]; 18528 Heritage Hills Drive, Olney, MD 20832		60/085,093	12 May 1998 (12.05.98)	US	60/085,094	12 May 1998 (12.05.98)	US	60/085,105	12 May 1998 (12.05.98)	US	60/085,180	12 May 1998 (12.05.98)	US	60/085,927	18 May 1998 (18.05.98)	US	60/085,906	18 May 1998 (18.05.98)	US	60/085,924	18 May 1998 (18.05.98)	US	60/085,922	18 May 1998 (18.05.98)	US	60/085,923	18 May 1998 (18.05.98)	US	60/085,921	18 May 1998 (18.05.98)	US	60/085,925	18 May 1998 (18.05.98)	US	60/085,928	18 May 1998 (18.05.98)	US	60/085,920	18 May 1998 (18.05.98)	US	(US). FLORENCE, Kimberly [US/US]; 12805 Atlantic Avenue, Rockville, MD 20851 (US). NI, Jian [CN/US]; 5502 Manorfield Road, Rockville, MD 20853 (US). ROSEN, Craig, A. [US/US]; 22400 Rolling Hill Road, Laytonsville, MD 20882 (US). CARTER, Kenneth, C. [US/US]; 11601 Brandy Hall Lane, North Potomac, MD 20878 (US). MOORE, Paul, A. [US/US]; 19005 Leatherbark Drive, Germantown, MD 20874 (US). OLSEN, Henrik, S. [DK/US]; 182 Kendrick Place #24, Gaithersburg, MD 20878 (US). SHI, Yang-gu [CN/US]; 437 West Side Drive, Gaithersburg, MD 20878 (US). YOUNG, Paul, E. [US/US]; 122 Beckwith Street, Gaithersburg, MD 20878 (US). WEI, Fing-Fei [CN/US]; 242 Gravatt Drive, Berkeley, CA 94705 (US). BREWER, Laurie, A. [US/US]; Apartment 115, 410 Van Dyke Street, St. Paul, MN 55119-4321 (US). SOPPET, Daniel, R. [US/US]; 15050 Stillfield Place, Centreville, VA 22020 (US). LAFLEUR, David, W. [US/US]; 3142 Quesada Street, N.W., Washington, DC 20015 (US). ENDRESS, Gregory, A. [US/US]; 9729 Clagett Farm Drive, Potomac, MD 20854 (US). EBNER, Reinhard [DE/US]; 9906 Shelburne Terrace #316, Gaithersburg, MD 20878 (US). (74) Agents: BROOKES, A., Anders et al.; Human Genome Sciences, Inc., 9410 Key West Avenue, Rockville, MD 20850 (US). (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>	
60/085,093	12 May 1998 (12.05.98)	US																																								
60/085,094	12 May 1998 (12.05.98)	US																																								
60/085,105	12 May 1998 (12.05.98)	US																																								
60/085,180	12 May 1998 (12.05.98)	US																																								
60/085,927	18 May 1998 (18.05.98)	US																																								
60/085,906	18 May 1998 (18.05.98)	US																																								
60/085,924	18 May 1998 (18.05.98)	US																																								
60/085,922	18 May 1998 (18.05.98)	US																																								
60/085,923	18 May 1998 (18.05.98)	US																																								
60/085,921	18 May 1998 (18.05.98)	US																																								
60/085,925	18 May 1998 (18.05.98)	US																																								
60/085,928	18 May 1998 (18.05.98)	US																																								
60/085,920	18 May 1998 (18.05.98)	US																																								
(54) Title: 97 HUMAN SECRETED PROTEINS																																										
(57) Abstract																																										
<p>The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.</p>																																										